

INTERFACE TERMINATION JTC USED WITH ATTESTED CUSTOMER-PROVIDED NON-POWERED CONFERENCING DEVICES

1. GENERAL

1.01 This section provides information on the Bell System attestation program for customer-provided non-powered conferencing devices.

1.02 If the customer requires a copy of the Technical Reference which covers this interface specification, he should contact the local Telephone Company Business Office or the Marketing Representative.

2. PURPOSE

To permit customer-provided non-powered conferencing devices attested under Interface Specification 2001 to be used with Bell System telephone equipment.

3. IDENTIFICATION

3.01 This termination is designated as Interface Termination JTC and consists of a bridged connection to a 4-button or 6-button key telephone set (equipped with a HOLD button and illumination) associated with a key telephone system (KTS). A 50-pin Amphenol-type connector is provided as the interface with the customer-provided equipment.

3.02 Conferencing devices included in this program are defined basically as transformer-coupled, switch-operated devices, intended to be bridged by means of a 50-pin Amphenol-type connection to a key telephone system station for the purpose of establishing a conferenced connection between two or more of the lines associated with the station.

3.03 Conferencing devices excluded from this program are:

(a) Devices that have a provision for a ground path (ac or dc) other than through the interface leads.

(b) Devices that employ gain.

(c) Devices that perform network control signaling other than line holding and disconnect supervision.

(d) Devices that have provisions for being powered from sources other than Telephone Company talk battery on the lines.

(e) Devices that require or have provision for external wiring other than a plug-ended cord compatible with the interface termination.

3.04 Interface Termination JTC is not offered for use with CALL DIRECTOR® sets, 6-, 10-, 20-line sets, or sets equipped with separately mounted keys.

3.05 Conferencing devices which are acceptable for use will have an attestation number indelibly affixed on the device.

4. APPLICATION

4.01 For use in connection with 4- or 6-button key telephone sets (equipped with HOLD button and illumination) associated with 1A, 1A1, or 1A2 Key Telephone Systems.



Only lines providing voice communication service, i.e., local central office, PBX, WATS, local Centrex, foreign exchange, private and intercommunicating station line service may be conferenced by the device. Interface Termination

JTC is not offered for use with data service or with lines assigned as miscellaneous features (i.e., paging, pushbutton, and buzzer, etc).

5. INSTALLATION

5.01 The method of providing the interface termination will vary depending on whether the telephone set is equipped with a plug-ended or spade-tipped cord, whether a 66E3-25 connecting block is in place, etc (Fig. 1 through 4).

5.02 In any arrangement, the customer should be provided with a connector-ended cable for his connections, to remove the necessity of connecting the customer-provided equipment (CPE) directly to Bell System apparatus.

5.03 When the cable to the CPE is terminated on a 44-type or 66E3-25 connecting block, only the leads required need be extended. This would mean T and R of the lines involved in 1A KTS, or T, R, A and common A1 in 1A1 or 1A2 KTS (see Table A).

5.04 After all connections have been made, verification of wiring can be made using a spare key telephone set plugged into the connector supplied for CPE.

6. MAINTENANCE



Bell System personnel should not attempt to repair or modify CP conferencing devices.

6.01 When in the repairman's judgment the trouble is located in the CP device, the Repair Service Bureau should be notified so that proper Maintenance of Service Charge billing can be initiated as outlined in BSP 660-101-312 (Maintenance of Service Charge on Services With Customer-Provided Equipment).

6.02 The customer should be notified of trouble in his equipment in case removal for repair is required, or where CPE is interfering with proper operation of the associated Bell System equipment.

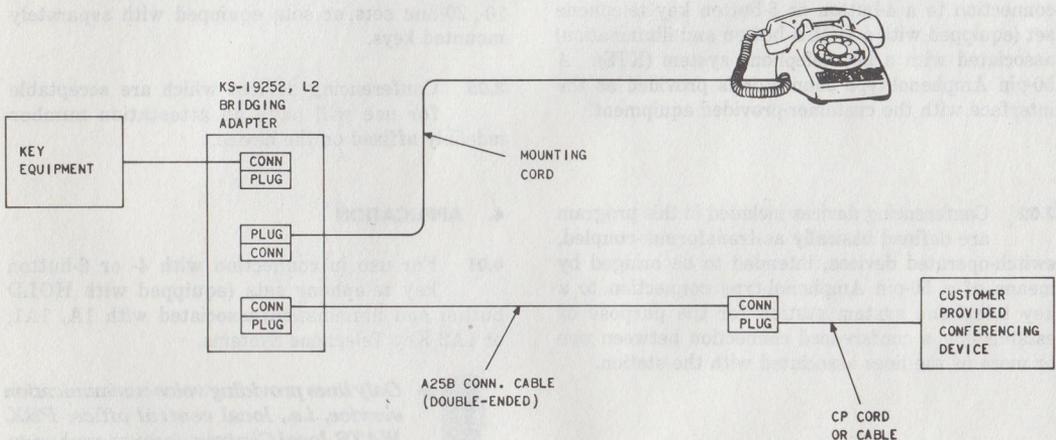


Fig. 1—Arrangement for Key Telephone Set with Plug-Ended Mounting Cord and Bridging Adapter

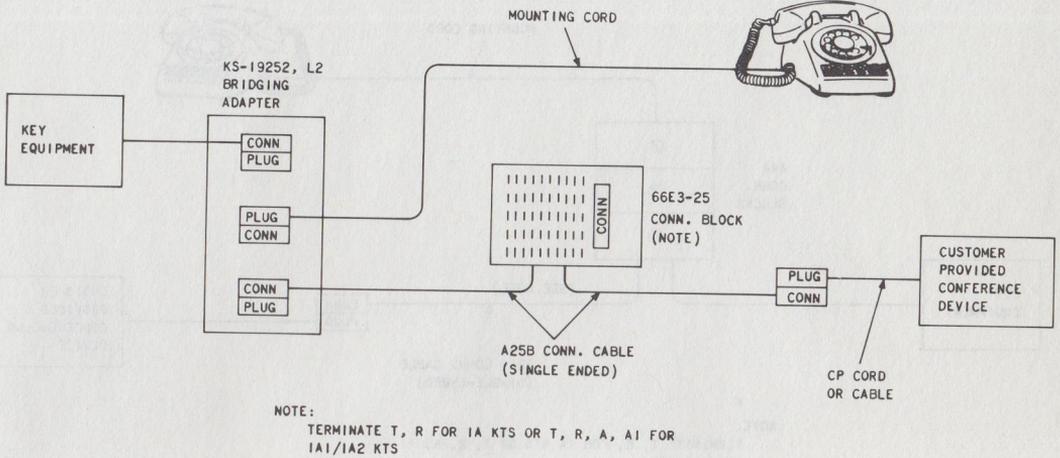


Fig. 2—Arrangement for Key Telephone Set with Plug-Ended Mounting Cord, Bridging Adapter and Connecting Block

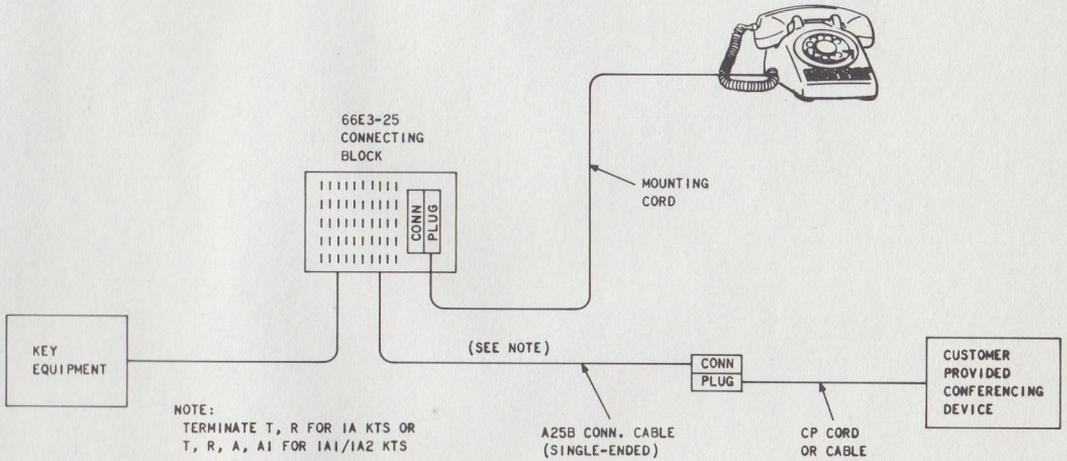


Fig. 3—Arrangement for Key Telephone Set with Plug-Ended Mounting Cord and Connecting Block

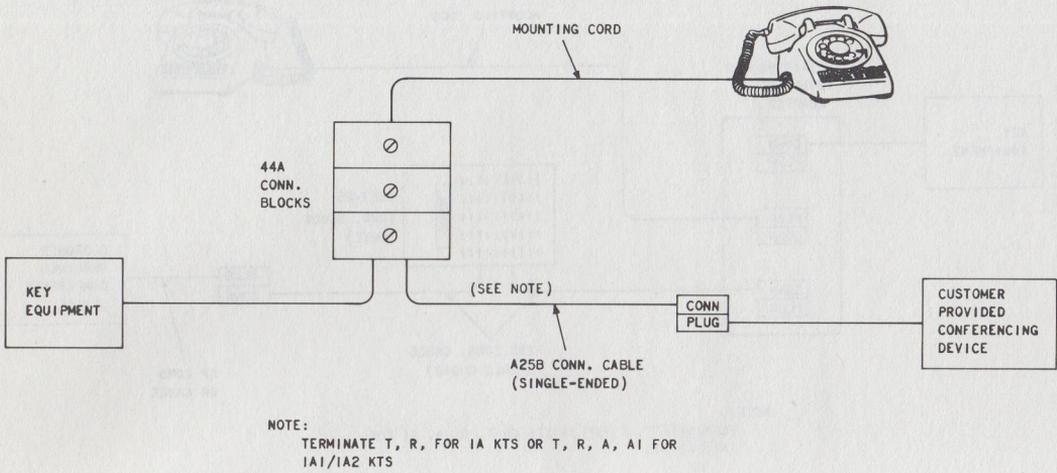


Fig. 4—Arrangement for Key Telephone Set with Spade-Tipped Mounting Cord and Connecting Blocks

TABLE A
INTERFACE CONNECTOR CABLE CONNECTIONS

LEAD DESIGNATION	CONNECTOR PIN NO.	COLOR	66E3-25 CONN. BLK. CLIP NO.	44A CONNECTING BLOCK TERMINAL		
Circuit 1	T	26	W-BL	1	2	Block 1
	R	1	BL-W	2	1	
	A	27	W-O	3	5	
	A1	2	O-W	4	4	
Circuit 2	T	29	W-BR	7	10	Block 1
	R	4	BR-W	8	9	
	A	30	W-S	9	8	
Circuit 3	T	32	R-O	13	5	Block 2
	R	7	O-R	14	4	
	A	33	R-G	15	7	
Circuit 4	T	35	R-S	19	8	Block 2
	R	10	S-R	20	3	
	A	36	BK-BL	21	2	
Circuit 5	T	38	BK-G	25	7	Block 3
	R	13	G-BK	26	6	
	A	39	BK-BR	27	10	

Notes:

1. All other leads are not required at the customers equipment and should not be terminated except when using a double-ended cable.
2. When used with 1A KTS, terminate T and R leads only.